

CLAIMS

1 1. A gas cigarette lighter comprising:
2 a fuel reservoir made of a rigid amorphous polymer material, the reservoir having a
3 top wall; and a well having a bottom end, the well passing through the top wall;
4 a threaded ring, the threaded ring being disposed within the well;
5 a gas dispensing device including at least one tubular element having a bottom
6 portion, the tubular element being fitted into the threaded ring, and
7 a microporous membrane, the membrane being received within the tubular element,
8 wherein the bottom portion of the tubular element extends at least to the bottom end
9 of the well.

1 2. A gas cigarette lighter according to claim 1, wherein the bottom portion of
2 the tubular element and the bottom end of the well are flush with one another.

1 3. A gas cigarette lighter according to claim 1, wherein the bottom portion of
2 the tubular element extends beyond the bottom end of the well.

1 4. A gas cigarette lighter according to claim 1, wherein the threaded ring has a
2 first opening and a second opening, the tubular element passes through the first and second
3 openings of the threaded ring.

1 5. A gas cigarette lighter according to claim 1, wherein an annular sealing
2 gasket is disposed between the tubular element and the top wall.

1 6. A gas cigarette lighter according to claim 5, wherein the top wall is provided
2 with a radially extending rim against which the annular sealing gasket is held in abutment
3 by the threaded ring.

1 7. A gas cigarette lighter according to claim 1, wherein the tubular element is
2 made of metal.

1 8. A gas cigarette lighter according to claim 7, wherein the microporous
2 membrane is held against an internal shoulder in the tubular element by being pressed
3 against a retaining ring, the tubular element having a bottom end crimped against said
4 retaining ring.

1 9. A cigarette lighter according to claim 1, wherein the reservoir includes a
2 bowl having a top end bonded to the top wall.

1 10. A cigarette lighter according to claim 1, wherein the reservoir is formed of a
2 material selected from at least one of the group consisting of ABSs and SANs.

1 11. A gas cigarette lighter comprising:

2 a fuel reservoir having a top wall;

3 a well disposed within the top wall; the well having a bottom end;

4 a threaded ring being disposed within the well;

5 a gas dispensing device including at least one tubular element having a bottom
6 portion, the tubular element being disposed within the threaded ring; and

7 a microporous membrane being received within the tubular element,

8 wherein the bottom portion of the tubular element extends at least to the bottom end
9 of the well.

1 12. A gas cigarette lighter according to claim 11, wherein the bottom portion of
2 the tubular element and the bottom end of the well are flush with one another.

1 13. A gas cigarette lighter according to claim 11, wherein the bottom portion of
2 the tubular element extends beyond the bottom end of the well.

1 14. A gas cigarette lighter according to claim 11, wherein the threaded ring has a
2 first opening and a second opening, the tubular element passes through the first and second
3 opening of the threaded ring.

1 15. A gas cigarette lighter according to claim 11, wherein an annular sealing
2 gasket is disposed between the tubular element and the top wall.

1 16. A gas cigarette lighter according to claim 15, wherein the top wall is
2 provided with a radially extending rim against which the annular sealing gasket is held in
3 abutment by the threaded ring.

1 17. A gas cigarette lighter according to claim 11, wherein the tubular element is
2 made of metal.

1 18. A gas cigarette lighter according to claim 17, wherein the microporous
2 membrane is held against an internal shoulder in the tubular element by being pressed
3 against a retaining ring, the tubular element having a bottom end crimped against said
4 retaining ring.

1 19. A cigarette lighter according to claim 11, wherein the reservoir includes a
2 bowl having a top end bonded to the top wall.

1 20. A cigarette lighter according to claim 11, wherein the reservoir is formed of
2 a material selected from at least one of the group consisting of ABSs and SANs.

1 21. A gas cigarette lighter comprising a reservoir including a top wall for
2 containing a fuel supply; a gas dispensing device for releasing fuel from the fuel supply; a
3 control device for actuating the gas dispensing device and releasing the fuel; and an ignition
4 mechanism for igniting the released fuel; the lighter further comprising:

5 a well is disposed within the top wall; the well having a bottom end; and

6 a threaded ring being disposed within the well;

7 wherein the gas dispensing device includes at least one tubular element having a
8 bottom portion, the tubular element being disposed within the threaded ring; the bottom
9 portion extending at least to the bottom end.

1 22. A gas cigarette lighter according to claim 21, further comprising a
2 microporous membrane disposed within the tubular element.

1 23. A gas cigarette lighter according to claim 21, wherein the bottom portion of
2 the tubular element and the bottom end of the well are flush with one another.

1 24. A gas cigarette lighter according to claim 21, wherein the bottom portion of
2 the tubular element extends beyond the bottom end of the well.

1 25. A gas cigarette lighter according to claim 21, wherein the threaded ring has a
2 first opening and a second opening, the tubular element passes through the first and second
3 openings of the threaded ring.

1 26. A gas cigarette lighter according to claim 21, wherein an annular sealing
2 gasket is disposed between the tubular element and the top wall.

1 27. A gas cigarette lighter according to claim 26, wherein the top wall is
2 provided with a radially extending rim against which the annular sealing gasket is held in
3 abutment by the threaded ring.

1 28. A gas cigarette lighter according to claim 22, wherein the tubular element is
2 made of metal.

1 29. A gas cigarette lighter according to claim 28, wherein the microporous
2 membrane is held against an internal shoulder in the tubular element by being pressed
3 against a retaining ring, the tubular element having a bottom end crimped against said
4 retaining ring.

1 30. A cigarette lighter according to claim 21, wherein the reservoir includes a
2 bowl having a top end bonded to the top wall.

1 31. A cigarette lighter according to claim 21, wherein the reservoir is formed of
2 a material selected from at least one of the group consisting of ABSs and SANs.